



IFWO

RAW SEQUENCE LISTING

DATE: 09/21/2004

PATENT APPLICATION: US/10/617,443B

TIME: 09:05:13

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\09202004\J617443B.raw

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2 <110> APPLICANT: Darrow, Andrew L
3   Qi, Jian-shen
4   Chen, Cailin
5   Andrade-Gordon, Patricia
7 <120> TITLE OF INVENTION: Human PRSS-11 like S2 serine protease and uses thereof
9 <130> FILE REFERENCE: ORT-1644
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/617,443B
C--> 12 <141> CURRENT FILING DATE: 2003-07-02
14 <160> NUMBER OF SEQ ID NOS: 8
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 3006
20 <212> TYPE: DNA
21 <213> ORGANISM: Homo sapiens
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26 ggccacacag ctagaaagca gccaggccca gccgaacccc tgggtgtgtgc agccccagc 180
27 ccagttgctc attgcggggc tcgggagcca cgagcgaggc tgagcagcat gtgttcaga 240
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29 cccgtgccac tgcattgcctc aggcctgtgg tcctggcagc cacagcccct actgctgacg 360
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31 ggctgggggtg tggccaagtt agacacagat gtagggccct gtggactcag aaattggcag 480
32 ctcttttggc ccagaggggc cacgctgtgt ccgggcctgg gtagctcaga agggtcacct 540
33 gggggctctc cactacaccc ccgcctggac actgctgtag ccccagggtc cggagggacc 600
34 agctggagcc catgaggaga gggccagttc tctcctgtaa gggattgtgt gtagcatgag 660
35 ggaacagaca agggccaggc ggactaaccg gagatccagc cccggcctca ctcccggtg 720
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37 aggggggtga ggaagccagc cacgtggaag cttttttaac cattctcggg gtgagcgagc 840
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39 agtgtgggct gaggtgggtc ctgaactggg acaggggtct caggaagagc ctctcctcc 960
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52 agttccaaga caagcagatc aaagactgga agaagcgctt catcggcata cggatgcgga 1740
53 cgatcacacc aagcctggtg gatgagctga aggccagcaa cccggacttc ccagaggtca 1800
54 gcagtggaaat ttatgtgcaa gaggttgccg cgaattcacc ttctcagaga ggcggcatcc 1860
55 aagatggtga catcatcgtc aaggtcaacg ggcgtcctct agtggactcg agtgagctgc 1920
56 aggaggccgt gctgaccgag tctcctctcc tactggaggt gcggcggggg aacgacgacc 1980
57 tctcttcag catcgacct gaggtggtca tgtgaggggc gcattcctcc agcgccaagc 2040
58 gtcagagcct gcagacaacg gagggcagcg ccccccagag atcaggacga aggaccaccg 2100
59 tcggtcctca gcaggcgggc agcctcctcc tggctgtccg gggcagagcg gaggctgggc 2160
60 ttggccaggg gcccgaaatt ccgctgagg agtggttgat ccacatcccg gtgccgggga 2220
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67 tgaatgcccc ctggtgcggg agctgagccc cgccctgcca tgaggttttc ctccccaggc 2640
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70 gactgagccg gcttcccctt cccacgcagc tctgggatgc agcagccgct cgcaggaag 2820
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72 ctcaaggggc atttgtgagc tttgctgtaa atggattccc agtgttgctt gtactgtatg 2940
73 tttctctact gtatggaaaa taaagtttac aagcacacgg ttctcagcca aaaaaaaaaa 3000
74 aaaaaa 3006

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77 <210> SEQ ID NO: 2

78 <211> LENGTH: 334

79 <212> TYPE: PRT

80 <213> ORGANISM: Homo sapiens

82 <400> SEQUENCE: 2

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84   1             5             10             15
86 Pro Arg Tyr Lys Phe Asn Phe Ile Ala Asp Val Val Glu Lys Ile Ala
87             20             25             30
89 Pro Ala Val Val His Ile Glu Leu Phe Leu Arg His Pro Leu Phe Gly
90             35             40             45
92 Arg Asn Val Pro Leu Ser Ser Gly Ser Gly Phe Ile Met Ser Glu Ala
93   50             55             60
95 Gly Leu Ile Ile Thr Asn Ala His Val Val Ser Ser Asn Ser Ala Ala
96  65             70             75             80
98 Pro Gly Arg Gln Gln Leu Lys Val Gln Leu Gln Asn Gly Asp Ser Tyr
99             85             90             95
101 Glu Ala Thr Ile Lys Asp Ile Asp Lys Lys Ser Asp Ile Ala Thr Ile
102             100            105            110
104 Lys Ile His Pro Lys Lys Lys Leu Pro Val Leu Leu Leu Gly His Ser
105             115            120            125
107 Ala Asp Leu Arg Pro Gly Glu Phe Val Val Ala Ile Gly Ser Pro Phe
108             130            135            140
110 Ala Leu Gln Asn Thr Val Thr Thr Gly Ile Val Ser Thr Ala Gln Arg
111 145            150            155            160
113 Glu Gly Arg Glu Leu Gly Leu Arg Asp Ser Asp Met Asp Tyr Ile Gln

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114          165          170          175
116 Thr Asp Ala Ile Ile Asn Tyr Gly Asn Ser Gly Gly Pro Leu Val Asn
117          180          185          190
119 Leu Asp Gly Glu Val Ile Gly Ile Asn Thr Leu Lys Val Thr Ala Gly
120          195          200          205
122 Ile Ser Phe Ala Ile Pro Ser Asp Arg Ile Thr Arg Phe Leu Thr Glu
123          210          215          220
125 Phe Gln Asp Lys Gln Ile Lys Asp Trp Lys Lys Arg Phe Ile Gly Ile
126 225          230          235          240
128 Arg Met Arg Thr Ile Thr Pro Ser Leu Val Asp Glu Leu Lys Ala Ser
129          245          250          255
131 Asn Pro Asp Phe Pro Glu Val Ser Ser Gly Ile Tyr Val Gln Glu Val
132          260          265          270
134 Ala Pro Asn Ser Pro Ser Gln Arg Gly Gly Ile Gln Asp Gly Asp Ile
135          275          280          285
137 Ile Val Lys Val Asn Gly Arg Pro Leu Val Asp Ser Ser Glu Leu Gln
138          290          295          300
140 Glu Ala Val Leu Thr Glu Ser Pro Leu Leu Leu Glu Val Arg Arg Gly
141 305          310          315          320
143 Asn Asp Asp Leu Leu Phe Ser Ile Ala Pro Glu Val Val Met
144          325          330
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148 <211> LENGTH: 23
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: RACE primer
155 <400> SEQUENCE: 3
156 cagccgtgac cttgagcgtg ttg          23
159 <210> SEQ ID NO: 4
160 <211> LENGTH: 22
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: RACE primer
167 <400> SEQUENCE: 4
168 ggccgagtga cccagcaaca ac          22
171 <210> SEQ ID NO: 5
172 <211> LENGTH: 34
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
179 <400> SEQUENCE: 5
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184 <211> LENGTH: 30
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence

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188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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195 <211> LENGTH: 20
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Internal primer
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209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: Internal primer
214 <400> SEQUENCE: 8
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VERIFICATION SUMMARY

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Input Set : A:\pto.lm.txt

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L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date